

Abstract of the Disclosure

- 45 The process chemistry during the oxidation of molybdenite concentrates in an oxygen pressure leach can be controlled by regulating the amount of ferric iron and excess sulfuric acid recycled as autoclave discharge slurry or filtrate to the autoclave feed. A computer model capable of predicting the concentration of soluble molybdenum in the autoclave discharge and based on the concentrate and recycle analyses was developed.